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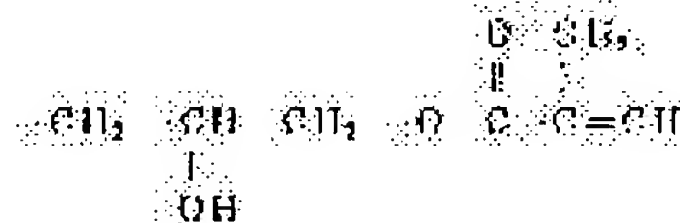
## (54) CARBON BLACK HAVING MODIFIED SURFACE AND PRODUCTION THEREOF

**(57)Abstract:**

**PURPOSE:** To obtain the titled carbon black useful for rubber reinforcing and as a filler, having improved dispersibility and processing properties, by blending carbon black having large surface area with a solution of a p-phenylenediamine compound, etc., and drying at a specific temperature.



CONSTITUTION: (A) 100pts.wt. carbon black having  $\geq 130\text{m}^2/\text{g}$  specific surface area by nitrogen adsorption is blended with (B) an organic solvent (e.g. toluene, etc.) or water dispersion containing 0.5W50pts.wt. one or more compounds [e.g. N-(1-methylheptyl)-N'-phenyl-p-phenylenediamine, etc.] shown by formula I (R is isopropyl, 1,3-dimethylbutyl, 1-methylheptyl, phenyl, group shown by formula II or p-toluenesulfonyl), the solvent or water is removed and dried at  $150\text{W}200^\circ\text{C}$  to give the component A, and then the component B is added to the surface of the component A.



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